

Appl. No. 10/639,072
Amdt. dated Mar. 16, 2005
Reply to Office Action of Dec. 16, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A backlight system, comprising:
a light source; and

a light guide plate having an incident surface for receiving light from the light source, a bottom surface, and a light emitting surface for emitting [[out]] the light, wherein the light emitting surface has ~~a contour in a shape of a plurality of prisms~~ an m×n array of continuous uniform prisms disposed on the light emitting surface.

Claim 2 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 1, wherein a plurality of diffusion dots are disposed on the bottom surface of the light guide plate.

Claim 3 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 1, wherein the prisms are each in a shape of a pyramid.

Claim 4 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 1, wherein the light source is disposed at one side of the incident surface of the light guide plate.

Claim 5 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 1, wherein the light guide plate is in a shape of a rectangle.

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Claim 6 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 1, wherein the light guide plate is in a shape of a wedge.

Claim 7 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 2, wherein the diffusion dots are more densely distributed on the bottom surface as a distance away from the incident surface increases.

Claim 8 (currently amended): The backlight system as claimed in ~~elaimed~~ claim 2, wherein the diffusion dots are distributed evenly all over the bottom surface.

Claim 9 (currently amended): A light guide plate, comprising:
an incident surface for receiving light, a bottom surface, and a light emitting surface for emitting light, wherein the light emitting surface has ~~a contour in a shape of a plurality of~~ an m \times n array of continuous uniform prisms disposed ~~continuously~~ on the light emitting surface.

Claim 10 (currently amended): The light guide plate as claimed in ~~elaimed~~ claim 9, wherein a plurality of diffusion dots are disposed on the bottom surface.

Claim 11 (currently amended): The light guide plate as claimed in ~~elaimed~~ claim 9, wherein the prisms are each in a shape of a pyramid.

Claim 12 (original): The light guide plate as claimed in claim 9, wherein the

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light guide plate is in a shape of a rectangle

Claim 13 (original): The light guide plate as claimed in claim 9, wherein the light guide plate is in a shape of a wedge.

Claim 14 (original): The light guide plate as claimed in claim 10, wherein the diffusion dots are distributed more densely on the bottom surface as a distance away from the incident surface increases.

Claim 15 (original): The light guide plate as claimed in claim 10, wherein the diffusion dots are distributed evenly all over the bottom surface.

Claim 16 (currently amended): A backlight system comprising:
a light source;
a light guide plate defining an incident surface facing the light source for receiving light from the light source;
a light emitting surface for emitting ~~[[out]]~~ the light;
a ~~plurality of~~ continuous mxn array of uniform, tapered prisms including respective vertex portions formed on the ~~light~~ emitting surface; and
a plurality of diffusion dots disposed on a bottom surface opposite to ~~[[said]]~~ the emitting surface.

Claim 17 (original): The backlight system as claimed in claim 16, wherein said diffusion dots are more densely distributed on the bottom surface as a distance from the incident surface increases.

Claim 18 (original): The backlight system as claimed in claim 17, wherein said prisms are evenly distributed all over the emitting surface.